Securing the Information Infrastructure:
Industry Perspective

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CISCO SYSTEMS

Securing the Enterprise

- **Threats & Risks**

- **Prioritized protection**

- **Consistent level of assurance and security**

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Evaluation/Certification Value

- **Increasing customer demand for security product assurance**

- **Availability of assured products**

- **But… "assurance" is not well understood**

- **Extend assurance to overall security architecture**

  Match degree of detail applied to product evaluation/certification

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Product Vendor's View

- **Value**

  Promote more widespread use

  Promote sound application of assured products

- **Challenges**

  Lack of widespread use impacts supply

  Expensive to obtain, long process to endure

  Spirit vs. letter of eval/cert rules

  Competition from commercial certifications

  - **CC: Intensive, but tends to be static**
  - **Commercial: Lightweight, but easier to maintain**

What can NIAP-Industry do?

- **Increase demand for certified/evaluated products**

- **Educate customers - not all certifications are created equal**

- **Evolve product cert/eval process to promote active, maintainable product development**

The Cisco Strategy

- **Security Certification and Evaluation**

  Active security product certification program for customers world-wide

- **Cisco SAFE**

  Network security blueprints to help customers implement robust maintainable, end-end security solutions

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Cisco SAFE

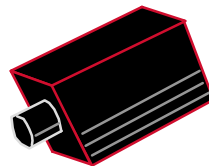## A Blueprint for Network Security

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Critical Components

Identity

Authentication
Digital Certificates

Security Monitoring

Intrusion Detection
Vulnerability Scanning

Secure Connectivity

VPN
Tunneling
Encryption

Perimeter Security
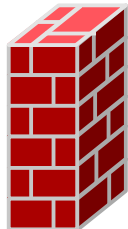
ACLs
Firewalls

Security Management

Policy Mgmt
Device Mgmt
Directory Services

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Security Ecosystem

- **Third-party solutions, integration partners, and managed services**

- **Training**

  CCNP with security specialization

- **Security Encyclopedia**

  Vulnerability database

  Countermeasures

  Statistics based on operational experience

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Cisco Architecture for Voice, Video, and Integrated Data (AVVID)

Directory

Operations

Applications
E-learning Supply Chain E-Commerce Customer Care

Service Control
Direction, Distribution Content Routing Content Services

Infrastructure
Platforms & Intelligent Network Services

Firewall Router Switch VPN & Sec. Appliances

Appliances/Clients
Wireless Wired

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Web Resources

Cisco Security Product Certifications and Evaluations

www.cisco.com/warp/public/779/largeent/issues/security/secvpncert.html

Cisco SAFE Blueprint for Network Security
www.cisco.com/go/safe

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